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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD

COUNTRY USSR

DATE DISTR. 27 May 1950

SUBJECT Production of Flame Throwers

NO. OF PAGES 2

PLACE
ACQUIREDNO. OF ENCLS. 3
(LISTED BELOW)DATE
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50X1-HUM

DATE OF INFORMATION

SUPPLEMENT TO
REPORT NO.

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1. The production of flame throwers is divided into three operations:
 - a. Production of container and igniter.
 - b. Production of fuel fluid.
 - c. Completion (filling with fuel fluid)
2. Operation (a) is performed in plants of the Ministry of Armament.
Operation (b) is performed in plants of the Ministry of Ammunition.
Operation (c) is performed in plants of the Ministry of Ammunition or
at the place of use in the Military Corps.
3. Plants of the Ministries of Armament and Ammunition are under the military
organization system. Flame throwers are not manufactured by plants manu-
facturing civilian goods.
4. The Ministry of Armament is primarily responsible for the production of flame
throwers. The director and chief engineer of the factory report directly to
the Minister of Armament.
5. Important production centers:
 - a. Flame throwers
 - (1) "Egeevsky" in the Urals
 - (2) N50 Tuila

Both plants are operating at full schedule under the Ministry of Armament.
 - b. Fuel fluid

"Zagorsk" factory No. 11 in Moscow. Operates under Ministry of Ammunition;
also handles filling of containers.
6. Present Development Plans:
 - a. Lighter flame thrower equipment.
 - b. Increased fluid capacity.
 - c. Greater firing distance.
 - d. Increased fluid pressure.
 - e. Heavier flame thrower for mobile use - tanks and armored vehicles.
 - f. Inclusion of flame thrower instruction in military training program.
 - g. Better protection for flame thrower operators; use of asbestos suits with
cotton jackets underneath.

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CLASSIFICATION

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ARMY	<input checked="" type="checkbox"/>	AIR	<input checked="" type="checkbox"/>	FBI															

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- h. Flame thrower storage security.
- i. Development of new type long distance flame throwers (Fougasse).
- j. Development of new fluid compound.

7. Fluid contents.

- a. Mixture of oils, benzine, kerosene.
- b. Mixture of benzol and phosphorite dissolved in sulphur-carbon (Sic).

8. The following compounds are used:

a. Oil 30%

Benzol 30%

Kerosene 30%

Powder of Mercury 10%

b. Oil 30%

Benzol 20%

Kerosene 30%

Powder of Al and Mercury 20%

c. Oil 30%

Phosphorite 20%

Powder of Al and Mercury 15%

Benzol 15%

Kerosene 20%

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- Enclosures: (A) Table Setting Forth Characteristics of USSR's Movable, Un-movable and Hand Flame Throwers.
- (B) Flow Diagram Illustrating USSR Flame Thrower Planning and Production.
- (C) Flow Diagram Illustrating Implementation of USSR Scientific Research.

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Enclosure A

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Type of Flame-throwers	Contents Capacity	Weight	Time of Action	Range	Pressure	Use	Signs of recognition	
1) Hand Flame-throwers. a) Light b) Middle	15 lit. 25 "	20 kg. 30 "	2 min 2 "	15-35 mt. 15-50 "	15-25 at.	Against living force and tanks	"A-O" "C-O"	Time of Action with short intervals
2) Movable a) trenched b) fortified	200" 500"	200 " 400"	3 " 3 "	70-50" 200"	12-15"	Against tanks and fortresses	"T-O" "K-O"	
3) Un-movable	15"	35"	1-2 sec.	50"		In populated areas, in mountains and in the battle for river barriers	"P-O"	

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Enclosure B

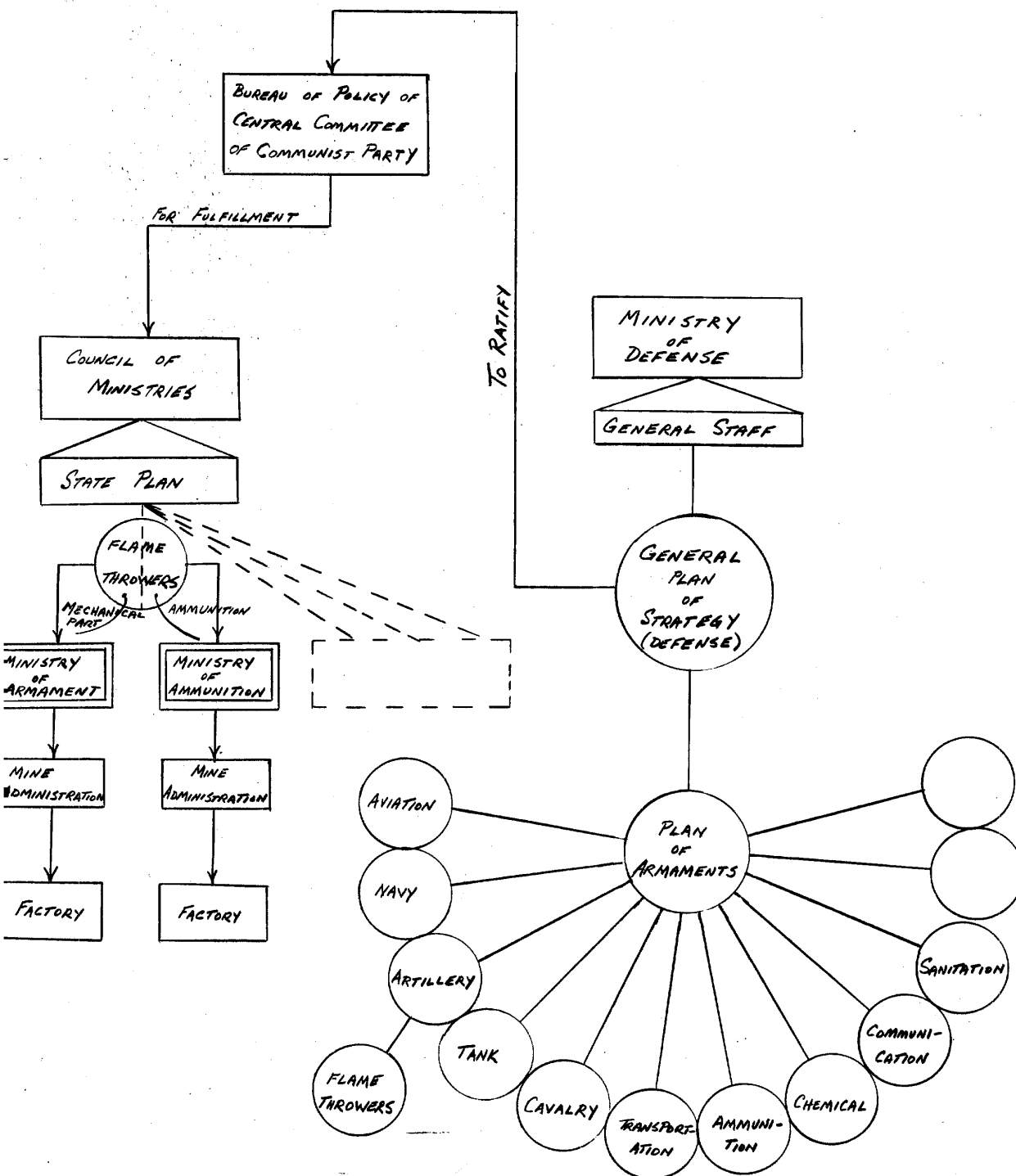
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FLOW DIAGRAM ILLUSTRATING USSR FLAME THROWER

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PLANNING AND PRODUCTION.

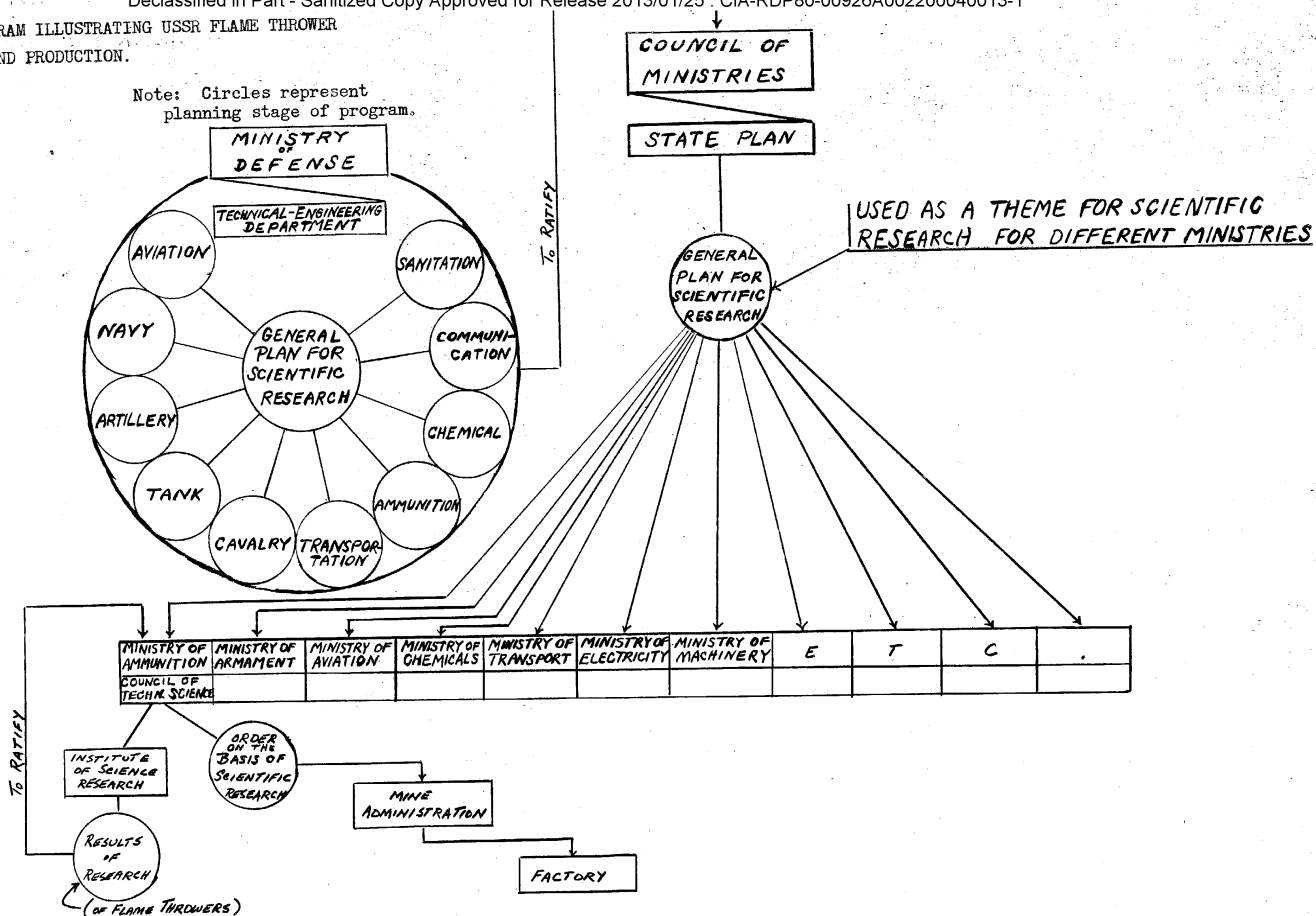
Note: Circles represent
planning stage of
program.



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